

Statistical systems with phantom scalar interaction in gravitation theory. II. Macroscopic equations and cosmological models

Ignatyev Y., Agathonov A., Ignatyev D.

Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

© 2014, Pleiades Publishing, Ltd. Based on the authors' approach to the macroscopic description of scalar interactions, this paper develops a macroscopic model of a relativistic plasma with phantom scalar interaction of elementary particles. In this paper, macroscopic equations for a statistical system with scalar interaction of particles are obtained, and a complete set of macroscopic equations describing cosmological models is built.

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